| • | Index of Claims   |                 |               |           |                 |                |        |                |          |            |                            |              |             | щ             | Application No.  |          |          |                |           |              |          |            |                 | Applicant(s)         |                     |          |          |        |          |           |     |
|---|---|-----------------|---------------|-----------|-----------------|----------------|--------|----------------|----------|------------|----------------------------|--------------|-------------|---------------|------------------|----------|----------|----------------|-----------|--------------|----------|------------|-----------------|----------------------|---------------------|----------|----------|--------|----------|-----------|-----|
|   | A (COMPONIALITY AND |                 |               |           |                 |                |        |                |          |            |                            |              |             | 09/614,993    |                  |          |          |                |           |              |          |            | IN              | AC(                  | ೦೦                  | RN       | AIC.     | AL.    |          |           |     |
|   |   |                 |               |           |                 |                |        |                |          |            |                            |              |             |               | Examiner         |          |          |                |           |              |          |            |                 | MCCORMICK E Art Unit |                     |          |          |        |          | Ë         |     |
|   |   |                 |               |           |                 | .              |        |                |          |            | l                          |              |             |               | Karia Oromiana   |          |          |                |           |              |          |            |                 |                      |                     |          |          |        |          |           |     |
|   |   |                 |               |           |                 |                |        |                | H25 11   | Al tage    | <del></del>                |              |             | 丄             | Kevin Quarterman |          |          |                |           |              |          |            |                 | 2879                 |                     |          |          |        |          |           |     |
|   | (Through numeral) Non Size                              |                 |               |           |                 |                |        |                |          |            |                            |              |             |               |                  |          | ٦        |                | г-        |              |          | —          | —               | 7                    |                     |          |          |        |          |           |     |
|   |   |                 | 1             | R         | Rejec           | ted:           |        |                | -        | (1         | îhrou<br>C                 | ance<br>ance | IUM<br>Iloc | 0   Tal<br> 4 | l)               |          | N        | N              | lon       | -Ele         | cted     |            | A               |                      | A                   | φр       | eal      | 1      |          |           |     |
|   |   |                 | $\vdash$      | 十         |                 | —              | 1      | ŀ              | +        |            |                            | 41100        | 110~        |               |                  | $\dashv$ | Ë        | <del> -</del>  |           |              |          | 4          |                 | $\vdash$             |                     | <u>.</u> | —        |        | $\dashv$ |           |     |
|   |   |                 | =             | 1         | Allowed         |                |        |                | +        |            | Re                         | estric       | ctec        | j             |                  |          | ı        | l Ir           | nte       | rfere        | ence     |            | 0               |                      | Ot                  | oje:     | cte      | đ      |          |           |     |
|   |   |                 | L             | 上         |                 |                | J      | L              |          |            | —                          |              | —           | —             | —                | J        | L        | <u></u>        | —         |              |          | ل          | ш               | <u> </u>             |                     | _        |          | _      | لـ       |           |     |
|   | CI  | aim             | L             | _         | _               | Dat            | ie_    | _              | _        |            | Claim                      |              |             | _             | _                | Dat      | <u> </u> | _              | _         |              |          | Claim      | Τ_              | _                    | Date                |          |          |        |          |           | 1   |
|   |   | कृ              | Įŝ            | 18        |                 | 1              | ΤĮ     | Ī              |          | 7          |                            | <u> </u>     | Z           |               | ٦                | T        |          | Π              |           | $\bigcap$    |          | 1 10       | TI              | $\bigcap$            | $\sqcap$            | ٦        | 7        | 7      | T        | T         | 1   |
|   | Frai  | Original        | 11/30/03      | 12        |                 |                | 11     |                |          |            | Final                      | Original     | 7/21/04     | Ì             |                  |          |          |                |           |              | First    | Original   | 11              |                      |                     |          |          |        |          |           |     |
|   | L   |                 | Ŀ             |           | Ц               | $\perp$        | Ц      | 4              | $\perp$  |            |                            | ı            | 1 1         | $\perp$       | T                | $\perp$  |          |                |           |              | L        |            |                 |                      |                     | 1        | 1        |        |          |           |     |
|   | <u></u>   | 1               | F             | Ļ         | H               | $\overline{+}$ | $\Box$ | $\dashv$       | 4        | 7          |                            | 5 <b>1</b>   | Ý           | 丰             | 丰                | 丰        | $\Box$   |                | $\Box$    | Д            |          | 101        | $\Box$          | 口                    | $\supset$           | 耳        | 丁        | 丰      | 工        | 丰         | 1   |
|   | <b> </b>  | B               | +             | $\vdash$  | <del> - -</del> | +              | ++     | $\dashv$       | 十        | $\dashv$   | $\vdash$                   | 58           | <b>V</b>    | 十             | 十                | +        | ╁┤       | Н              | H         | H            | $\vdash$ | 102<br>103 |                 | $\vdash$             | $\dashv$            | $\dashv$ | 十        | 十      | 十        | +-        | 4   |
|   |   | I               | 上             | 上         | 口               | 丰              | 口      | 耳              | 工        | コ          |                            | (54)         | =-          | 士             | 土                | 土        | 口        |                |           | 口            |          | 104        |                 | $\Box$               | $\rightrightarrows$ | 丁        | 士        | 士      | 士        | 士         | 1   |
|   | <b> </b>  | 1               | $\vdash$      | H         | +               | +              | H      | $\overline{+}$ | +        | 4          | <u> </u>                   | 55<br>56     | a<br>=      | 4             | +                | 7        | igspace  | Ш              | Н         | 门            |          | 105        |                 | $\dashv$             | $\dashv$            | 4        | ユ        | 1      | 工        | 工         | 1   |
|   | $\vdash$  | 7               | 十             | $\vdash$  | ++              | +              | ++     | 十              | +        | -          | <b> </b>                   | 56           | =           | +             | +                | +        | ┦        | Н              | H         | H            | $\vdash$ | 106<br>107 | +               | $\vdash$             | +                   | +        | +        | +      | +        | +         | ļ · |
|   |   | 1               | 世             |           |                 | 士              | $\Box$ | 士              | 士        | 1          |                            | 58           | =           | 士             | 士                | 士        | 世        |                | 口         | 口            |          | 108        | $\Box$          | 口                    | 1                   | 1        | 士        | 1      | +        | 十         | 1   |
|   |   | 1               | L             | L         | $\Box$          | Τ.             | $\Box$ | $\exists$      | $\dashv$ | $\exists$  |                            | 59           | =           | 4             | 1                | I        | $\Box$   |                | $\Box$    | Д            |          | 109        | П               | 口                    | 口                   | 口        | 工        | 工      | 工        | 上         | ]   |
|   | <b>—</b>  | 10              | ╀             | $\vdash$  | ╀               | +              | ++     | +              | +        | 4          | $\vdash$                   | ලුස          | =<br>=      | +             | +                | +        | ┦        | H              | H         | H            | <b> </b> | 110<br>111 |                 | -                    | +                   | +        | +        | +      | +        | 4         | 4   |
|   |   | 12              | 世             | 世         | 士               | 士              | $\Box$ | $\exists$      | 士        | 1          |                            | 62           | -           | 士             | 七                | +        | H        | H              | 寸         | $\sqcap$     | H        | 112        | П               | $\sqcap$             | +                   | +        | +        | 十      | 十        | +         | 4   |
|   |   | 13              |               |           | П               | 工              | П      | コ              | ユ        | コ          |                            | 63           | Ξ           | 工             | 丰                | 工        |          |                | П         | コ            |          | 113        | П               | J                    | コ                   | コ        | 工        | 工      | 工        | 二         | 1   |
|   | <u> </u>  | 14<br>15        | $\vdash$      | ₽         | ╁               | +              | ₩      | +              | +        | 4          |                            | 64<br>65     | =           | +             | +                | +        | $\vdash$ | $\mathbf{H}$   | Н         | $\mathbf{H}$ | <u> </u> | 114<br>115 | $\vdash$        | $\dashv$             | $\dashv$            | $\dashv$ | $\dashv$ | 4      | 1        | 1         | 1   |
|   | <u> </u>  | 16              | 一             | H         | H               | +              | +      | +              | 七        | 4          | $\vdash$                   | 66           | =           | +             | +                | +        | H        | 一              | $\sqcap$  | $\dashv$     | $\vdash$ | 116        |                 | 7                    | +                   | +        | +        | +      | +        | ┿         | 4   |
|   |   | 17              | 口             |           | 口               | 工              | П      | コ              | 工        | コ          |                            | 67           | $\Box$      | 工             | 丰                | 工        | 口        | 口              | 口         | 口            |          | 117        | П               | コ                    | ヸ                   | コ        | ユ        | 士      | 士        | 士         | j   |
|   | -   | <b>18 19</b>    | $\vdash$      | ⊬         | ++              | +              | ++     | +              | +        | 4          |                            | 68<br>69     | $\vdash$    | +             | +                | +        | $\dashv$ | Н              | $\dashv$  | Н            | <u> </u> | 118<br>119 | $\vdash$        | $\dashv$             | 4                   | $\dashv$ | $\dashv$ | 4      | 丰        | L         | 1   |
|   |   | 20              | 一             | H         | 十               | +              | H      | 1              | 士        | 1          |                            | 70           | H           | +             | +                | +        | $\vdash$ | H              | $\dashv$  | 7            | $\vdash$ | 119        |                 | +                    | 十                   | +        | +        | 十      | +        | ╀         | 1   |
|   |   | 21              |               |           | 口               | 工              | П      | コ              | 工        | コ          |                            | 71           | 口           | 工             | 丰                | 工        | 口        |                | $\Box$    |              |          | 121        | П               | コ                    | コ                   | コ        | 士        | 士      | 士        | 世         | 1   |
|   | <b></b>   | 22<br>23        | ₽             | ₽         | ╀               | +              | ₩      | +              | +        | 4          | igwdapprox                 | 72<br>73     | H           | +             | +                | 1        | $\sqcup$ | $\dot{\dashv}$ | $\dashv$  | 4            | <u>_</u> | 122<br>123 | $\Box$          | $\dashv$             | $\dashv$            | $\dashv$ | 4        | 7      | 丄        | Ľ         | 1   |
|   |   | 24              | 一             | H         | H               | +              | H      | +              | 士        | ٦ '        |                            | 74           | $\vdash$    | +             | 十                | 十        | H        | 1              | 1         | $\dashv$     | -        | 123        |                 | 十                    | 十                   | +        | +        | +      | +        | ╁┵        | 1   |
|   |   | <b>35</b>       |               |           | 口               | 工              | 口      | 工              | 工        | ]          |                            | 75           | 耳           | 工             | 工                | 工        | 口        | J              | コ         | $\exists$    |          | 125        | П               | コ                    | 士                   | 士        | 士        | 士      | 士        | 世         | 1   |
|   |   | 26<br>27        | ₽             | $\vdash$  | ╀               | +              | ₩      | +              | +        | 4          | $\square$                  | 76<br>77     | -           | +             | +                | +        | H        |                | -         | -            | <u> </u> | 126        | $\Box$          | +                    | $\overline{+}$      | $\dashv$ | 4        | 7      | 丰        | $\Box$    |     |
|   | H_  | 28              | H             | Н         | H               | +-             | H      | 十              | +        | <b>-</b>   |                            | 78           | 一十          | 十             | 十                | +        | ┦        | $\dashv$       | 7         | -            | $\vdash$ | 127<br>128 | ╀               | +                    | 十                   | +        | +        | +      | 十        | ₩         | ł   |
|   |   | 29              |               |           | 口               | 上              | 口      | ユ              | 工        | ַ ב        |                            | 79           | 二           | 工             | 土                | 上        | 口        | J              | コ         | $\exists$    |          | 129        | 口               | 1                    | 1                   | 1        | 士        | 士      | 士        | 世         | 1   |
|   |   | 3D<br>31        | $\vdash$      | $\sqcup$  | $\Box$          | +              | $\Box$ | 4              | +        | ]          | $\square$                  | 80<br>81     | $\dashv$    | 4             | 十                | 1        | П        | _              | $\dashv$  | $\exists$    |          | 130        |                 | 그                    | 그                   | 7        | ユ        | I      | 工        | $\square$ | 1   |
|   | $\vdash$  | 32              | Н             | H         | +               | +-             | +      | 十              | 十        | -          | $\vdash \vdash \vdash$     | 82           | $\dashv$    | +             | +                | ╁        | $\vdash$ | $\dashv$       | $\dashv$  | $\dashv$     | -        | 131<br>132 |                 | +                    | 十                   | +        | +        | +      | +        | ₩         | -   |
|   |   | 3               |               |           | 口               | 士              | 口      | コ              | 士        | <b>」</b> 「 |                            | 83           | 士           | 士             | 士                | 世        |          | 丁              | 丁         | J            |          | 133        | $\Box$          | $\top$               | 士                   | 士        | 士        | 士      | +        | +         |     |
|   |   | 34              |               | $\square$ | $\Box$          | Ŧ              | $\Box$ | $\dashv$       | 十        | ı [ـ       | $\Box$                     | 84<br>05     | $\Box$      | ユ             | Į                | L        | Ц        | $\beth$        | 그         | コ            |          | 134        | 口               | 7                    | 4                   | 7        | 工        | 工      | 工        | $\Box$    | j   |
|   | $\vdash$  | 35<br>36        | Н             | H         | ++              | +-1            | H      | +              | +        |            |                            | 85<br>86     | $\dashv$    | +             | +                | +        | Н        | +              | +         | $\dashv$     | $\vdash$ | 135<br>136 | ╀               | +                    | +                   | +        | +        | +      | +-       | ₩         | 1   |
|   |   | 37              |               |           | 士               | 世              | 廿      | 士              | 士        | ] /        |                            | 87           | 1           | 士             | t                | +        | H        | 寸              | $\exists$ | 7            |          | 137        | H               | 士                    | t                   | +        | +        | +      | +        | H         | 1   |
|   |   | 38<br>30        |               | Į,        |                 | P              | $\Box$ | ユ              | 工        | ]          |                            | 88           | 二           | 工             | I                | 口        | П        | $\Box$         | $\exists$ | $\Box$       |          | 138        | 口               | 丁                    | 丁                   | 丰        | 工        | 工      | 上        | 口         |     |
|   | $\vdash \vdash \vdash$                                  |                 | <del> </del>  | ンシ        |                 | +              | H      | +              | +        | 4 !        | $\vdash$                   | 89<br>90     | +           | +             | +                | ╂╾┦      | $\vdash$ | +              | +         | $\dashv$     | <u> </u> | 139<br>140 | $\vdash$        | +                    | +                   | +        | 4        | +      | $\perp$  | $\Box$    |     |
|   |   | 4               | V             | V         |                 | 世              | 廿      | 1              | 士        | 1          |                            | 91           | 十           | 十             | +                | +-       | $\vdash$ | +              | 十         | $\dashv$     |          | 141        | $\vdash \vdash$ | 十                    | 十                   | 十        | 十        | 十      | +-       | H         | 1   |
|   |   | (42)            | V             | 0         | 工               | 口              | $\Box$ | 工              | 工        | ]          | $\Box$                     | 92           | 耳           | 工             | 工                | 口        | $\Box$   | コ              | コ         | コ            |          | 142        | 口               | コ                    | 丰                   | ユ        | 工        | 工      | 二        |           |     |
|   | $\longrightarrow$                                       | 7/2             |               | X         | +               | +              | ++     | +              | +        | - 1        | ${oldsymbol{\longmapsto}}$ | 93<br>94     | +           | +             | +                | ┦        | Н        | 4              | +         | -            | <u> </u> | 143        | $\Box$          | 4                    | 4                   | 7        | 7        | 1      | $\perp$  | $\Box$    | 1   |
|   |   | <b>(3)</b>      |               | ŏ         |                 | †              | 士      | 士              | t        | 1          |                            | 95           | 十           | 十             | +                | +        | $\vdash$ | +              | +         | -            | $\vdash$ | 145        | $\vdash \vdash$ | 十                    | 十                   | 十        | 十        | 十      | ╀┦       | Н         | l   |
|   | $\Box$  | 46              | $\square$     | Ŋ         | 工               | $\Box$         | 耳      | 丰              | 工        | ] [        | $\Box$                     | 96           | ユ           | 工             | 工                | 口        | 口        | コ              | コ         | コ            |          | 146        | 口               | 士                    | 士                   | 丰        | 士        | 土      | 世        | 口         | ĺ   |
|   | $\vdash$  | 47<br>48        | H             | 7         | +               | ++             | +      | +              | +        | 4          | <del>  </del>              | 97<br>98     | +           | +             | +                | ┦        | $\vdash$ | $\dashv$       | +         | -            | <b></b>  | 147        | $\overline{+}$  | 4                    | 4                   | 4        | 4        | $\bot$ | $\perp$  | $\Box$    | l · |
|   | <del></del>   | 4               |               | Ź         | +               | ++             | 一十     | 十              | 十        | 1 1        | _                          | 99           | 十           | 十             | +                | ╁┥       | 1        | +              | 十         | $\dashv$     | ├—       | 148<br>149 | +               | 十                    | +                   | +        | 十        | +      | ╁┦       | Н         | I   |
|   | $\rightarrow$   | <del>-1</del> + | $\rightarrow$ |           | $\overline{}$   | $\rightarrow$  | ~      | +              | +        | 4 1        |                            | ***          | -+-         | +-            | +                | +        | _        | -+             | -+        |              | <u> </u> |            | -               | -                    | <del>-</del>        | 4        | ┵        | خلم    | +        |           | 1   |